SHOUT
SHARE
IT

251-271 OK - RBS 4/10/42

#256 - 42d Ann. Rpt. - 1930
#262 - 43d Ann. Rpt. - 1931
#270 - 44th Ann Rpt. - 1932
} OK - RBS 4/24/42

EXPERIMENT STATION LIBRARY

[Bulletin 267] ?

RESULTS OF SEED TESTS
MADE JULY 1, 1931, TO JUNE 30, 1932

—o—

This report contains the results of the inspection for the State Department of Agriculture of three hundred fifty-seven official samples collected throughout the State during the period from July 1, 1931, to June 30, 1932. These were analyzed and the results mailed to the retail dealers. In addition to these official samples twenty-two private samples were analyzed, making a total of three hundred seventy-nine samples inspected.

The seed law does not prohibit the sale of poor seed but it does require that all seed be labelled to show its quality. The buyer is therefore protected. The purpose of the seed inspection work is to determine, within reasonable limits, whether a sample of seed is as good as it is guaranted to be.

A certain amount of variation is to be expected in comparing the results of two or more purity analyses. For this reason a "tolerance" or variation is allowed in accordance with the following formula, applied to the guarantee given. The sample is considered as being made up of two parts, the one being the pure seed and the other the balance of the sample. The tolerance in per cent allowed for each part is two-tenths of 1 per cent plus 20 per cent of the lesser part. For instance, if a sample is guaranteed 99.60% pure seed, it may test as low as 99.32% or as high as 99.88% and would be "satisfactory." In the same way, a sample guaranteed 92.80% may test as low as 91.17% or as high as 94.43% and be "satisfactory." If a sample is found to be better than the highest figure in the tolerance, it is marked "Above" in this bulletin; if lower than the lowest figure, the actual figure is reported.

A wider tolerance for germination than for purity is allowed between the results of the test and the guarantee, as follows:

Guarantee %	*Allowable variation* %
90 or over	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Accordingly, a sample guaranteed 92% germination is "satisfactory" if it tests 86% to 98%. A sample guaranteed 85% may fall as low as 78% or as high as 92%. If a sample tests higher than the per cent of variation allowed it is marked "Above" in this bulletin or, if it tests below the variation allowed, the actual figure is reported.

The summary table on the last page will show the general results of the seed inspection work for the year ending June 30, 1932.

It is gratifying to note that during the past three years the percentage of seeds found below, both in purity and in germination, has been steadily decreasing, as shown in the following table:

Year	% Found Below	
	In Purity	In Germination
1930	14%	20%
1931	9%	17%
1932	6%	13%

SEED INSPECTION, 1932

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8317	Alfalfa (Idaho Grimm, Pine Tree, 27164) ..... J. Cushing Co., Nashua	S	99.80	S	92
8512	Alfalfa (Grimm, Pine Tree, 27477) ... Holbrook Grocery Co., Keene	S	99	S	93
8524	Alfalfa (Grimm, S. S. & C., 27380)... E. C. & W. L. Hopkins, Inc., Greenfield	S	99.74	S	80
8284	Alfalfa (Grimm, 27333) ..... Merrimack Farmers' Exchange, Manchester	S	99.08	A	77
8307	Alfalfa (Grimm, 27439) ..... Merrimack Farmers' Exchange, Inc., Concord	S	99.42	S	81
8357	Alfalfa (Grimm, Montana, 27373) ... J. H. Seavey, Dover	S	99.48	S	84
8404	Alfalfa (Grimm, Michigan) ..... Strafford County Grain Mill, Rochester	S	99.70	S	94
8299	Alfalfa (Grimm, 027188) ..... Thompson & Hoague Co., Concord	S	99.36	S	81
8291	Alfalfa (Grimm, 27406) ..... John B. Varick Co., Manchester	A	99.30	S	87
8399	Alsike (Ace) ..... Ayers & Jenkins Co., Rochester	S	95.20	S	80
8531	Alsike (Pan-American) ..... P. E. Belisle, Hillsboro	S	97.62	S	82
8452	Alsike ..... Belknap County Farmers' Exchange, Laconia	S	98.95	S	85
8434	Alsike (9105) ..... Chase Grain Mill, Plymouth	S	99.10	S	90
8500	Alsike (Pan-American) ..... F. W. Clark, Wilton	S	97.35	S	82
8598	Alsike (Pine Tree, 21878) ..... G. F. Clement & Son, Lisbon	S	98.35	S	94
8414	Alsike (Liberty, 5667) ..... Freeman Corson, Rochester	S	97.96	S	81
8552	Alsike (Pine Tree, 21130) ..... G. B. Currier Co., Colebrook	S	99.05	S	80
8322	Alsike (Ace, 21995) ..... J. Cushing Co., Nashua	S	95	S	90
8350	Alsike (Ace, 21219) ..... J. Cushing Co., Portsmouth	S	96	S	92
8340	Alsike (Pan-American) ..... S. A. Dow & Son, North Hampton	S	97.69	S	90
8460	Alsike (31103) ..... Farmers' Grain Store, Ashland	S	99.25	S	90
8564	Alsike (Liberty, 5862) ..... Farmers' Grain & Feed Co., Lancaster	S	97.40	S	85
8397	Alsike (Pan-American) ..... E. C. Foss Company, Rochester	S	98.58	A	78
8471	Alsike ..... Gammons Co., Inc., Plymouth	S	98.95	S	85
8584	Alsike (Fancy) ..... C. M. Hildreth & Son, Lebanon	S	98	S	80
8587	Alsike (21291, XX) ..... Holbrook Grocery Co., Woodsville	S	93	S	93
8527	Alsike (Pine Tree, 21185) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	97.90	S	83

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8438	Alsike (Pan-American) ..... Hosmer Brothers, Tilton	S	98	S	97
8379	Alsike (Pan-American) ..... LeBlanc & Kashulines, Nashua	S	97.35	A	82
8252	Alsike (Ace, 21235) ..... Manchester Hardware Co., Manchester	S	98.40	S	83
8464	Alsike (Pan-American) ..... Meredith Grain Co., Meredith	S	97.62	A	82
8274	Alsike (Pine Tree, 21151) ..... Merrimack Farmers' Exchange, Manchester	S	98.95	S	94
8304	Alsike (Pine Tree, 21271) ..... Merrimack Farmers' Exchange, Inc., Concord	S	99.15	S	84
8449	Alsike (Pine Tree, 21137) ..... J. H. Morrill, Laconia	S	99.15	S	88
8363	Alsike (Pan-American, 1601) ..... Nashua Grain Co., Nashua	S	98	S	78
8384	Alsike (3433) ..... F. W. Neal & Co., Dover	S	97	40	97
8405	Alsike (Liberty, 5813) ..... Pittsfield Farmers' Exchange, Pittsfield	S	97.28	S	84.50
8490	Alsike (Ace, 21987) ..... W. N. Potter Grain Stores, Inc., Winchester	S	94.45	S	88
8354	Alsike (Pan-American, Medium) ..... S. A. Schurman & Son, Portsmouth	S	98.40	A	74
8343	Alsike (Ace, 21235) ..... J. H. Seavey, Dover	95.78	98.40	S	83
8562	Alsike (Ace, 21103) ..... F. B. Spaulding Co., Lancaster	S	98.70	S	94
8424	Alsike (Liberty, 3541) ..... C. P. Stevens Co., Franklin	S	97.50	A	85
8295	Alsike (Ace, 21138) ..... Thompson & Hoague Co., Concord	S	96.90	S	83
8257	Alsike (Pine Tree, 21175) ..... John B. Varick Co., Manchester	S	98.95	S	89
8367	Alsike (Pan-American) ..... H. D. Wood Co., Derry	S	97.30	S	87
8604	Alsike (21299) ..... Woodsville Grain Co., Woodsville	S	99.15	S	94
8427	Barley (Fancy, 6-Rowed) ..... Chase Grain Mill, Plymouth	S	99	S	97
8595	Barley (6-Row) ..... G. F. Clement & Son, Lisbon	S	98	S	92
8561	Barley (6-Row, 71221) ..... G. B. Currier Co., Colebrook	S	97.44	S	90
8443	Barley (Alpha, 2-Row) ..... J. R. Graham, Boscawen	S	97.62	S	91
8503	Barley (6-Row, 71227) ..... Holbrook Grocery Co., Keene	S	99.20	S	96
8530	Barley (Western, 6-Row, 744) E. C. & W. L. Hopkins, Inc., Greenfield	S	99	S	96
8366	Barley (6-Row, 71224) ..... Merrimack Farmers' Exchange, Inc., Derry	S	99.19	S	95
8568	Barley ..... Pike & Gale, Littleton	S	99.20	S	96

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8570	Barley (6-Row, 71217) The Frank Smith Co., Lancaster	S	97.50	S	95
8264	Barley (6-Row, 71217) John B. Varick Co., Manchester	S	97.50	S	95
8309	Bluegrass, Kentucky (32516) Merrimack Farmers' Exchange, Inc., Concord	S	85	60.5	80
8254	Bluegrass, Kentucky (032332) Manchester Hardware Co., Manchester	S	84.80	46.5	80
8358	Buckwheat (400) J. H. Seavey, Dover	S	98	S	96
8278	Buckwheat (400) John B. Varick Co., Manchester	S	98	S	96
8521	Canada Field Peas (87-211) E. C. & W. L. Hopkins, Inc., Greenfield	S	99	S	95
8312	Canada Field Peas (08565) Merrimack Farmers' Exchange, Inc., Concord	S	99.50	S	90
8300	Canada Field Peas (85255) Thompson & Hoague Co., Concord	S	99.50	S	90
8269	Canada Field Peas John B. Varick Co., Manchester	S	99	S	90
8381	Lawn Grass, Breck's Special (Setab Brand) Jenness Hardware Co., Dover	S	94	S	90
8401	Millet, Hungarian (J 62431) Ayers & Jenkins Co., Rochester	S	95	S	90
8456	Millet, Hungarian Belknap County Farmers' Exchange, Laconia	S	99.48	S	85
8407	Millet, Hungarian (2045) P. W. Bragg, Farmington	A	88	S	78
8430	Millet, Hungarian (2918) Chase Grain Mill, Plymouth	S	99	S	88
8499	Millet, Hungarian (5075) F. W. Clark, Wilton	S	99.14	S	87
8582	Millet, Hungarian G. F. Clement & Son, Lisbon	S	98	S	78
8574	Millet, Hungarian (47146) Colebrook Feed Co., Colebrook	S	99.30	S	85
8415	Millet, Hungarian (3400) Freeman Corson, Rochester	S	99.50	S	90
8560	Millet, Hungarian (47125) G. B. Currier Co., Colebrook	S	98.80	S	82
8332	Millet, Hungarian (47123) J. Cushing Co., Nashua	S	98.98	S	88
8348	Millet, Hungarian (Fullworth) J. Cushing Co., Portsmouth	96.70	97.88	54.5	96
8497	Millet, Hungarian (4792) J. Cushing Co., Milford	S	98.18	75.5	90
8459	Millet, Hungarian (31700) Farmers' Grain Store, Ashland	S	99.38	74	90
8442	Millet, Hungarian J. R. Graham, Boscawen	S	99	S	82
8545	Millet, Hungarian (Fancy, 2434) J. H. Griffin, Newmarket	S	99	S	90
8546	Millet, Hungarian (47122) J. H. Griffin, Newmarket	S	99.48	S	85

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8440	Millet, Hungarian (Fancy, 2401) .... C. M. Hildreth & Son, Lebanon	S	98.97	S	86
8321	Millet, Hungarian (Fancy, 2401) .... Hill Hardware & Paint Co., Nashua	S	98.97	S	86
8508	Millet, Hungarian (47146) ..... Holbrook Grocery Co., Keene	S	99.30	S	85
8586	Millet, Hungarian (47130) ..... Holbrook Grocery Co., Woodsville	S	99.60	S	84
8525	Millet, Hungarian (47125) ..... E. C. & W. L. Hopkins, Inc., Greenfield	A	98.80	S	82
8439	Millet, Hungarian (Fancy) ..... Hosmer Brothers, Tilton	S	98.69	S	83
8253	Millet, Hungarian (47137) ..... Manchester Hardware Co., Manchester	S	99.68	S	86
8463	Millet, Hungarian (Fancy) ..... Meredith Grain Co., Meredith	S	98.97	S	86
8311	Millet, Hungarian (47128) ..... Merrimack Farmers' Exchange, Inc., Concord	S	99.58	S	85
8249	Millet, Hungarian (Fancy) ..... J. J. Moreau & Son, Manchester	S	99.16	86	95
8448	Millet, Hungarian (Fancy) ..... J. H. Morrill, Laconia	S	98.69	S	83
8487	Millet, Hungarian (31700) ..... W. N. Potter Grain Stores, Inc., Winchester	S	99.38	73.5	90
8341	Millet, Hungarian (47-52) ..... J. H. Seavey, Dover	S	99	68	85
8410	Millet, Hungarian ..... Strafford County Grain Mill, Rochester	S	99.48	S	85
8293	Millet, Hungarian (47121) ..... Thompson & Hoague Co., Concord	S	99.80	S	80
8262	Millet, Hungarian (47128) ..... John B. Varick Co., Manchester	S	99.58	S	85
8368	Millet, Hungarian (Fancy, 2401) .... H. D. Wood Co., Derry	S	98.97	S	86
8519	Millet, Japanese (1028) ..... Abbott Grocery Co., Keene	S	97.31	S	90
8398	Millet, Japanese (J 5 C 30) ..... Ayers & Jenkins Co., Rochester	A	95	S	85
8533	Millet, Japanese (1024) ..... P. E. Belisle, Hillsboro	S	98.95	S	84
8374	Millet, Japanese (Fancy) ..... Bell Hardware Co., Derry	96.08	98	S	90
8408	Millet, Japanese (5478) ..... P. W. Bragg, Farmington	S	98	S	73
8534	Millet, Japanese (1024) ..... W. A. Bryer, Peterboro	S	98.95	71	84
8600	Millet, Japanese ..... Clark & Richardson, Lisbon	S	99	S	85
8594	Millet, Japanese ..... G. F. Clement & Son, Lisbon	S	98	S	73
8413	Millet, Japanese (4477) ..... Freeman Corson, Rochester	S	97.40	71	95
8559	Millet, Japanese (04432) ..... G. B. Currier Co., Colebrook	S	99.18	S	85
8318	Millet, Japanese (44127) ..... J. Cushing Co., Nashua	S	98.79	77.5	86

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8540	Millet, Japanese (44-11) ..... J. Cushing Co., Peterboro	S	97.20	71.5	85
8345	Millet, Japanese (Fancy) ..... S. A. Dow & Son, North Hampton	A	97.37	S	94
8458	Millet, Japanese (31702) ..... Farmers' Grain Store, Ashland	97.89	99	S	85
8426	Millet, Japanese ..... Gammons Co., Plymouth	96.30	98.63	60	80
8566	Millet, Japanese (Fancy, 2310) ..... C. M. Hildreth & Son, Lebanon	S	98.50	S	90
8323	Millet, Japanese (2308) ..... Hill Hardware & Paint Co., Nashua	S	97.18	S	90
8585	Millet, Japanese ..... Holbrook Grocery Co., Woodsville	S	97.31	S	90
8528	Millet, Japanese (44-18) ..... E. C. & W. L. Hopkins, Inc., Greenfield	A	98	S	92
8437	Millet, Japanese (Fancy) ..... Hosmer Brothers, Tilton	S	98.69	S	90
8392	Millet, Japanese (2308) ..... J. Jones & Son, Alton	S	97.18	S	90
8377	Millet, Japanese ..... LeBlanc & Kashulines, Nashua	91.28	97	S	90
8581	Millet, Japanese (04432) ..... Lewis Brothers, Lebanon	S	99.18	S	87
8310	Millet, Japanese (04432) ..... Merrimack Farmers' Exchange, Inc., Concord	S	99.18	S	90
8364	Millet, Japanese ..... Nashua Grain Co., Nashua	95.68	97.16	S	90
8385	Millet, Japanese (Fancy) ..... F. W. Neal & Co., Dover	96.69	98	S	90
8421	Millet, Japanese (Fancy, 2310) ..... W. O. Patten, Londonderry	S	98.50	S	90
8316	Millet, Japanese (Fancy) ..... W. R. Peterson Co., Nashua	95.58	97	78	90
8488	Millet, Japanese (31701) ..... W. N. Potter Grain Stores, Inc., Winchester	S	97.42	S	87
8351	Millet, Japanese (44127) ..... J. H. Seavey, Dover	S	98.80	S	90
8567	Millet, Japanese (04430-2) ..... The Frank Smith Co., Lancaster	S	99.41	S	93
8431	Millet, Japanese (Fancy, 3781) ..... C. P. Stevens Co., Franklin	A	98.04	S	82
8396	Millet, Japanese ..... Strafford County Grain Mill, Rochester	S	98	S	90
8292	Millet, Japanese (04410) ..... Thompson & Hoague Co., Concord	S	98.63	S	85
8549	Millet, Japanese ..... A. J. Turcotte, Newmarket	S	95	77	90
8281	Millet, Japanese (44127) ..... John B. Varick Co., Manchester	S	98.79	S	80
8436	Millet, Japanese ..... F. X. Veroneau, Penacook	93.23	96	S	90
8362	Millet, Japanese ..... H. D. Wood Co., Derry	87.67	97	S	90
8601	Millet, Japanese (44131) ..... Woodsville Grain Co., Woodsville	S	98.18	77.5	90

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8342	Mixture, Grass (Breck's New Standard) J. H. Seavey, Dover	S	71	S	85
8445	Mixture, Hayland (No. 3) J. R. Graham, Boscawen	S	99.05	S	82
8455	Oats (Mammoth Cluster) Belknap County Farmers' Exchange, Laconia	S	99	S	99
8457	Oats (Delaware) Belknap County Farmers' Exchange, Laconia	S	99	S	97
8432	Oats (Wirthmore Fancy) Chase Grain Mill, Plymouth	S	99	S	98
8575	Oats (Pennant) Colebrook Feed Co., Colebrook	S	99.50	S	98
8558	Oats (X-Tra Good) G. B. Currier Co., Colebrook	S	97	80.5	93
8444	Oats (Cornellian) J. R. Graham, Boscawen	S	99.45	S	95
8491	Oats (Am. Type, White Mountain, Extra Fancy) Holbrook Grocery Co., Keene	S	98.85	S	96
8507	Oats (Swedish Type) Holbrook Grocery Co., Keene	S	98.60	S	95
8593	Oats (White Mountain, Am., 73166) Holbrook Grocery Co., Woodsville	S	99.20	S	97
8391	Oats (Pennant) J. Jones & Son, Alton	S	99.50	S	98
8273	Oats (Swedish Select) Merrimack Farmers' Exchange, Manchester	S	99	S	95
8285	Oats (Natural for Seed) Merrimack Farmers' Exchange, Manchester	S	95	S	95
8349	Oats (Swedish Type, 07338) J. H. Seavey, Dover	S	97	S	97
8480	Oats (Fancy Selected, 5857) C. P. Stevens Co., Franklin	S	96	S	94
8412	Oats (Hygrade, Fancy) Strafford County Grain Mill, Rochester	S	98	S	95
8258	Oats (Swedish Type, 07338) John B. Varick Co., Manchester	S	96.56	S	97
8289	Orchard Grass (Ace, 37251) John B. Varick Co., Manchester	S	85.40	S	90
8520	Red Clover (Liberty, 5331) Abbott Grocery Co., Keene	S	99	S	88
8400	Red Clover (Medium Ace 2481) Ayers & Jenkins Co., Rochester	S	98.08	S	91
8453	Red Clover Belknap County Farmers' Exchange, Laconia	S	99.84	S	89
8375	Red Clover (Pan-American) Bell Hardware Co., Derry	S	98	31	63
8535	Red Clover (Medium, 2426) W. A. Bryer, Peterboro	S	99.10	A	82
8482	Red Clover (Medium, 31313) Chase Grain Mill, Plymouth	S	99.50	S	90
8501	Red Clover (Pan-American, Domestic) F. W. Clark, Wilton	S	99	S	84
8597	Red Clover (Medium Pine Tree) G. F. Clement & Son, Lisbon	S	99.40	S	94

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8573	Red Clover (Medium Pine Tree, 24579) Colebrook Feed Company, Colebrook	S	99.06	S	86
8417	Red Clover (Liberty, Medium, 5802).. Freeman Corson, Rochester	S	99.14	S	85
8550	Red Clover (Medium Pine Tree, 24141) G. B. Currier Co., Colebrook	S	99.45	S	82
8319	Red Clover (Medium Ace, 24344) .... J. Cushing Co., Nashua	S	98	S	94
8495	Red Clover (Medium Ace, 24344) .... J. Cushing Co., Milford	S	98	S	94
8539	Red Clover (Medium Ace, 24890) .... J. Cushing Co., Peterboro	S	98	69.5	92
8336	Red Clover (Pan-American, Domestic, 5204) S. A. Dow & Son, North Hampton	S	99	S	90
8462	Red Clover (Medium, 31313) ..... Farmers' Grain Store, Ashland	S	99.50	S	90
8473	Red Clover ..... Gammons Company, Plymouth	99.06	99.84	S	89
8468	Red Clover (Liberty, 5883) ..... C. J. Goss, Lakeport	S	99.13	S	85
8544	Red Clover (Medium Pine Tree, 24-5-6) J. H. Griffin, Newmarket	S	99.42	S	85
8494	Red Clover ..... Hatch Hardware Co., Milford	S	99.02	S	96
8580	Red Clover (Pan-American, Domestic Med., 5166) ..... C. M. Hildreth & Son, Lebanon	S	99	S	86
8509	Red Clover (XX) ..... Holbrook Grocery Co., Keene	S	95	S	93
8513	Red Clover (Medium White Mountain, Extra Fancy) ..... Holbrook Grocery Co., Keene	S	99	S	93
8380	Red Clover (Pan-American, Domestic) LeBlanc & Kashulines, Nashua	S	99	S	84
8306	Red Clover (Medium Pine Tree, 24452) Merrimack Farmers' Exchange, Inc., Concord	S	99.34	S	85
8308	Red Clover (Mammoth Pine Tree, 23926) ..... Merrimack Farmers' Exchange, Inc., Concord	S	99.22	S	94
8271	Red Clover (Pan-American, Domestic, 5204) ..... J. J. Moreau & Son, Manchester	98.32	99	A	84
8447	Red Clover (Medium Pine Tree, 24256) J. H. Morrill, Laconia	S	99	S	87
8388	Red Clover (Pan-American, Domestic) F. W. Neal & Co., Dover	S	99.19	S	90
8303	Red Clover (Pan-American) ..... W. R. Peterson Co., Nashua	S	98	61	90
8422	Red Clover (Pan-American, Domestic) W. O. Patten, Londonderry	98.32	99	S	84
8599	Red Clover (Special Medium, 24621).. Pike & Gale, Littleton	S	95	S	94
8390	Red Clover (Liberty, 5876) ..... Pittsfield Farmers' Exchange, Pittsfield	S	99	A	85
8489	Red Clover (Medium Matrix, 31305-1) W. N. Potter Grain Stores, Inc., Winchester	S	98.50	S	90

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8475	Red Clover (Pan-American Domestic) A. M. Rand, Plymouth	S	99.10	S	90
8353	Red Clover (Medium Pan-American, Domestic, 5141) S. A. Schurman & Son, Portsmouth	S	99	S	90
8337	Red Clover (Medium, 24384) J. H. Seavey, Dover	S	99	A	82
8553	Red Clover (Medium Ace, 24509) F. B. Spaulding Co., Lancaster	S	98.12	S	90
8569	Red Clover (Pan-American, Domestic, 5087) F. B. Spaulding Co., Whitefield	S	99	S	90
8479	Red Clover (Liberty, 5855) C. P. Stevens Co., Franklin	S	99	S	85
8294	Red Clover (Medium Ace, 2481) Thompson & Hoague Co., Concord	S	98.08	S	87
8288	Red Clover (Medium, 24380) John B. Varick Co., Manchester	S	99	S	87
8435	Red Clover (Medium Ace) F. X. Veroneau, Penacook	A	90	S	87
8369	Red Clover (Pan-American, Domestic, Med., 5206) H. D. Wood Co., Derry	S	99.06	S	93
8603	Red Clover (Medium Pine Tree, 24546) Woodsville Grain Co., Woodsville	S	99.24	S	93
8403	Red Top Ayers & Jenkins Co., Rochester	S	94	66.5	92
8532	Red Top (Pan-American) P. E. Belisle, Hillsboro	S	92	S	90
8451	Red Top (No. 1) Belknap County Farmers' Exchange, Laconia	S	90.70	S	90
8373	Red Top (30571) Bell Hardware Co., Derry	88.45	92.60	S	90
8314	Red Top (Fancy) A. H. Britton, Concord	S	91	71	90
8536	Red Top (Pan-American) W. A. Bryer, Peterboro	S	92	S	90
8483	Red Top (Fancy, 5244) Chase Grain Mill, Plymouth	S	90.70	S	90
8502	Red Top (Fancy, 30644) F. W. Clark, Wilton	S	92	S	90
8556	Red Top (Ace, 30779) Colebrook Feed Co., Colebrook	S	90.60	S	90
8506	Red Top (White Mountain, Extra Fancy) Roy B. Cook, Winchester	S	95	S	92
8416	Red Top (Fancy, 3392) Freeman Corson, Rochester	S	90.55	S	85.75
8419	Red Top (Fancy, 5544) Freeman Corson, Rochester	S	91.52	S	90
8331	Red Top (Fancy, Ace, 30927) J. Cushing Co., Nashua	A	90	S	91
8344	Red Top (Pan-American, 2795) S. A. Dow & Son, North Hampton	S	91.59	S	90
8474	Red Top (No. 1) Gammons Company, Plymouth	S	90.70	S	90
8493	Red Top Hatch Hardware Co., Milford	93.30	98.35	75	95.50
8315	Red Top (Pan-American) Hill Hardware & Paint Co., Nashua	S	92	S	90

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8327	Red Top (Fancy) ..... Hilliard & Kimball, Exeter	S	90	58	90
8510	Red Top (White Mountain, Extra Fancy) ..... Holbrook Grocery Co., Keene	S	95	84	93
8511	Red Top (XX) ..... Holbrook Grocery Co., Keene	S	85	S	85
8588	Red Top (Fancy, XX, 302) ..... Holbrook Grocery Co., Woodsville	S	85	83	90
8592	Red Top (White Mountain, Extra Fancy) ..... Holbrook Grocery Co., Woodsville	S	95	78	90
8522	Red Top (Pine Tree, 30834) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	95.30	S	91
8383	Red Top (Choice) ..... Jenness Hardware Co., Dover	S	90	79.5	90
8255	Red Top (Fancy, 30944) ..... Manchester Hardware Co., Manchester	S	96.60	60	90
8428	Red Top (Pan-American, 2793) ..... C. N. Merrill & Son, Bristol	S	92.14	S	90
8279	Red Top (Fancy Pine Tree, 30806) .. Merrimack Farmers' Exc., Inc., Manchester	93.22	96.30	78.5	95
8302	Red Top (Pine Tree, 30967) ..... Merrimack Farmers' Exchange, Inc., Concord	S	95	75	90
8250	Red Top (Fancy) ..... J. J. Moreau & Son, Manchester	90.47	94	S	90
8276	Red Top (Pan-American, 2795) .... J. J. Moreau & Son, Manchester	S	91.59	72.5	90
8446	Red Top (Fancy Pine Tree, 30788) .. J. H. Morrill, Laconia	S	96.20	S	95
8372	Red Top (Pan-American) ..... Nashua Grain Co., Nashua	88.83	92.14	S	90
8386	Red Top (Pan-American) ..... F. W. Neal & Co., Dover	S	92	S	90
8387	Red Top (Eureka) ..... F. W. Neal & Co., Dover	91.48	94	S	92
8423	Red Top (Imperator) ..... W. O. Patten, Londonderry	S	90	S	90
8330	Red Top (Pan-American) ..... W. R. Peterson Co., Nashua	S	92	S	90
8470	Red Top (Choice) ..... J. P. Pitman & Co., Laconia	S	92	S	95
8406	Red Top (Fancy, 3370) ..... Pittsfield Farmers' Exchange, Pittsfield	S	90.44	S	86
8505	Red Top (31821) ..... W. N. Potter Grain Stores, Inc., Winchester	86.08	90.07	S	92
8425	Red Top (Pan-American) ..... A. W. Rand, Plymouth	S	92	S	90
8450	Red Top (Pan-American) ..... Rand & Dearborn, Laconia	S	92	S	90
8352	Red Top (Pan-American) ..... S. A. Schurman & Son, Portsmouth	S	92	S	90
8346	Red Top (03083) ..... J. H. Seavey, Dover	S	90.80	S	90
8554	Red Top (Ace, 30971) ..... F. B. Spaulding Co., Lancaster	S	92.50	S	90

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8477	Red Top (Fancy, 3392) ..... C. P. Stevens Co., Franklin	S	90.55	S	85.75
8395	Red Top (No. 1) ..... Strafford County Grain Mill, Rochester	S	91	S	90
8296	Red Top (Ace, 30817) ..... Thompson & Hoague Co., Concord	S	92.40	73.5	90
8548	Red Top (Choice) ..... A. J. Turcotte, Newmarket	S	90	55	96
8266	Red Top (Fancy Ace, 30672) ..... John B. Varick Co., Manchester	S	90.30	62	90
8267	Red Top (Unhulled, 30939) ..... John B. Varick Co., Manchester	S	50.40	S	70
8282	Red Top (Ace, 30932) ..... John B. Varick Co., Manchester	S	91.20	62	90
8290	Red Top (Fancy Pine Tree, 30940) .. John B. Varick Co., Manchester	S	95.40	73.5	91
8370	Red Top (Pan-American) ..... H. D. Wood Co., Derry	S	92	S	90
8602	Red Top (Ace, 030198) ..... Woodsville Grain Co., Woodsville	S	90.20	75	90
8328	Red Top (No. 1) ..... W. A. Young, Exeter	A	90.40	S	90
8547	Rye (Winter Rosen) ..... J. H. Griffin, Newmarket	S	98	68.5	90
8365	Rye, Spring (74169) ..... Merrimack Farmers' Exchange, Inc., Derry	S	96.53	S	85
8359	Rye, Spring ..... Nashua Grain Co., Nashua	S	98	S	90
8270	Rye, Spring (74166) ..... John B. Varick Co., Manchester	S	97.25	S	80
8256	Rye Grass (Domestic, 38164) ..... John B. Varick Co., Manchester	98.69	99.33	S	92
8572	Soy Beans (Manchu, 84244) ..... G. B. Currier Co., Colebrook	S	99.50	S	90
8335	Soy Beans (Black Wilson) ..... S. A. Dow & Son, North Hampton	S	98	S	90
8356	Soy Beans (Black Wilson, 814248) .. J. H. Seavey, Dover	S	99.50	S	93
8301	Soy Beans (Manchu, 84240) ..... Thompson & Hoague Co., Concord	S	99.90	75.5	90
8263	Soy Beans (Black Wilson, 2642) .... John B. Varick Co., Manchester	S	98	83	95
8268	Soy Beans (Wilson, 84251-48) ..... John B. Varick Co., Manchester	S	99.50	83	93
8529	Sweet Clover (White Blossom, 25120) E. C. & W. L. Hopkins, Inc., Greenfield	S	99	S	82
8275	Sweet Clover (White Blossom, 24-13).. Merrimack Farmers' Exchange, Inc., Manchester	S	99.30	83.5	—
8305	Sweet Clover (White Blossom, 25127).. Merrimack Farmers' Exchange, Inc., Concord	S	99	S	83
8298	Sweet Clover (White Blossom, 25-15).. Thompson & Hoague Co., Concord	S	99.32	S	80
8280	Sweet Clover (White Blossom, 2586, Ace) ..... John B. Varick Co., Manchester	S	98.46	S	83

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8518	Timothy (Special) ..... Abbott Grocery Co., Keene	S	97	S	92
8402	Timothy (Pine Tree, 67509) ..... Ayers & Jenkins Co., Rochester	S	99.65	S	94
8454	Timothy (Bay State) ..... Belknap County Farmers' Exchange, Laconia	S	99.70	S	95
8376	Timothy (Pan-American) ..... Bell Hardware Co., Derry	S	99.60	S	90
8409	Timothy (67326) ..... P. W. Bragg, Farmington	S	98.15	S	90
8313	Timothy (Choice) ..... A. H. Britton, Concord	S	98.25	S	90
8537	Timothy (Pan-American) ..... W. A. Bryer, Peterboro	S	99.60	79	90
8429	Timothy (31535) ..... Chase Grain Mill, Plymouth	S	99.75	S	94
8484	Timothy (Liberty, 5656) ..... Chase Grain Mill, Plymouth	S	99.65	S	90
8485	Timothy (Liberty, 5608) ..... Chase Grain Mill, Plymouth	S	99.66	S	90
8498	Timothy (Pine Tree, 66729) ..... F. W. Clark, Wilton	S	99.65	S	95
8596	Timothy (Bison, 67472) ..... G. F. Clement & Son, Lisbon	S	98.80	S	93
8504	Timothy (White Mountain, Extra Fancy, 68084) ..... Roy B. Cook, Winchester	S	99.65	S	95
8418	Timothy (Liberty, 5638) ..... Freeman Corson, Rochester	S	99.60	S	92
8420	Timothy (Liberty) ..... Freeman Corson, Rochester	S	99.60	S	90
8551	Timothy (Pine Tree, 68019) ..... G. B. Currier Co., Colebrook	S	99.65	S	95
8555	Timothy (Pine Tree, 67596) ..... G. B. Currier Co., Colebrook	S	99.65	S	95
8320	Timothy (Pine Tree, 67880) ..... J. Cushing Co., Nashua	S	99.65	S	94
8333	Timothy (Bison, 67757) ..... J. Cushing Co., Exeter	S	98	S	94
8496	Timothy (Pine Tree) ..... J. Cushing Co., Milford	S	99.65	S	94
8541	Timothy (66-532) ..... J. Cushing Co., Peterboro	S	99.25	S	93
8578	Timothy (White Mountain, Extra Fancy, 68084) ..... The Depot Store, Littleton	S	99.65	S	95
8579	Timothy (Gold Medal) ..... The Depot Store, Littleton	S	99.82	S	92
8347	Timothy (Pan-American) ..... S. A. Dow & Son, North Hampton	S	99.60	S	92
8461	Timothy (31535) ..... Farmers' Grain Store, Ashland	S	99.75	S	94
8571	Timothy (Liberty, 5741) ..... Farmers' Grain & Feed Co., Lancaster	S	99.67	S	91
8433	Timothy (Gem) ..... Gammons Company, Plymouth	S	98.50	S	92
8467	Timothy (Liberty, 5721) ..... C. J. Goss, Lakeport	S	99.65	S	90
8542	Timothy (Pine Tree, 67981) ..... J. H. Griffin, Newmarket	S	99.65	S	95

A—Above S—Satisfactory

SEED INSPECTION, 1932—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8543	Timothy (Pine Tree, 67403) ..... J. H. Griffin, Newmarket	S	99.65	S	95
8492	Timothy ..... Hatch Hardware Co., Milford	S	99.65	S	94
8583	Timothy (Pan-American) ..... C. M. Hildreth & Son, Lebanon	S	99.60	S	90
8324	Timothy (Gem) ..... Hill Hardware & Paint Co., Nashua	S	98	S	90
8325	Timothy (Pine Tree) ..... Hilliard & Kimball, Exeter	S	99.65	85.5	94
8514	Timothy (White Mountain, Extra Fancy, 68084) ..... Holbrook Grocery Co., Keene	S	99.65	S	95
8515	Timothy (Pine Tree, 68093) ..... Holbrook Grocery Co., Keene	S	99.60	S	94
8516	Timothy (XX) ..... Holbrook Grocery Co., Keene	S	98	S	91
8517	Timothy (Monadnock, 68003) ..... Holbrook Grocery Co., Keene	S	99.50	S	94
8589	Timothy (XXX, 67997) ..... Holbrook Grocery Co., Woodsville	S	99	S	93
8590	Timothy (Special, 67942) ..... Holbrook Grocery Co., Woodsville	S	97	S	90
8591	Timothy (XX, 68108) ..... Holbrook Grocery Co., Woodsville	S	98	S	91
8526	Timothy (Pine Tree, 67509) ..... E. C. & W. L. Hopkins, Inc. Greenfield	S	99.65	S	94
8441	Timothy (Pan-American) ..... Hosmer Brothers, Tilton	S	99.60	S	90
8382	Timothy (Pine Tree, 67759) ..... Jenness Hardware Co., Dover	S	99.65	S	94
8393	Timothy (Pan-American) ..... J. Jones & Son, Alton	S	99.60	S	90
8378	Timothy (Pan-American) ..... LeBlanc & Kashulines, Nashua	S	99.60	S	90
8605	Timothy (Monadnock, 67922) ..... Lewis Brothers, Lebanon	S	99.50	S	94
8251	Timothy (Pine Tree, 67940) ..... Manchester Hardware Co., Manchester	S	99.75	S	94
8277	Timothy (Pine Tree, 67571) ..... Merrimack Farmers' Exchange, Inc., Manchester	S	99.65	S	94
8334	Timothy (Pine Tree, 67993) ..... Merrimack Farmers' Exchange, Inc., Exeter	S	99.70	S	94
8283	Timothy (Pan-American, 7-10) ..... J. J. Moreau & Son, Manchester	S	99.60	S	90
8287	Timothy (Pan-American) ..... J. J. Moreau & Son, Manchester	S	99.60	S	90
8465	Timothy (Pan-American) ..... Muzzey & Hopkins, Lakeport	S	99.60	S	92
8360	Timothy (Bay State, 87673) ..... Nashua Grain Co., Nashua	S	99.70	S	95
8361	Timothy (Pan-American) ..... Nashua Grain Co., Nashua	S	99.60	S	92
8389	Timothy (Pan-American) ..... F. W. Neal & Co., Dover	S	99.60	S	90
8326	Timothy (Pan-American) ..... W. R. Peterson Co., Nashua	S	99.60	66	92

A—Above S—Satisfactory

SEED INSPECTION, 1932—Concluded

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
8577	Timothy (Pan-American) ..... Pike & Gale, Littleton	87.59	99.60	S	90
8469	Timothy ..... J. P. Pitman & Co., Laconia	A	99	S	96
8394	Timothy (Liberty, 5738) ..... Pittsfield Farmers' Exchange, Pittsfield	S	99.65	S	91
8486	Timothy (Matrix, 31523) ..... W. N. Potter Grain Stores, Inc., Winchester	S	99.86	S	94
8476	Timothy (Pan-American) ..... A. M. Rand, Plymouth	S	99.60	S	90
8338	Timothy (Pine Tree, 67940) ..... J. H. Seavey, Dover	S	99.65	S	94
8355	Timothy (Pan-American) ..... S. A. Schurman & Son, Portsmouth	S	99.60	S	90
8565	Timothy (Pine Tree, 67971) ..... The Frank Smith Co., Lancaster	S	99.70	S	94
8563	Timothy (Pine Tree, 67478) ..... F. B. Spaulding Co., Lancaster	S	99.65	S	95
8576	Timothy (Pan-American) ..... F. B. Spaulding Co., Whitefield	S	99.60	S	90
8478	Timothy (Liberty, 5692) ..... C. P. Stevens Co., Franklin	S	99.65	S	92
8411	Timothy (Bay State, 67673) ..... Strafford County Grain Mill, Rochester	S	99.70	S	95
8297	Timothy (Pine Tree, 67571) ..... Thompson & Hoague Co., Concord	S	99.65	S	94
8259	Timothy (Pine Tree, 67141) ..... John B. Varick Co., Manchester	S	99.65	S	94
8260	Timothy (Pine Tree, 67915) ..... John B. Varick Co., Manchester	S	99.70	S	94
8371	Timothy (Pan-American) ..... H. D. Wood Company, Derry	S	99.60	S	90
8329	Timothy (Pan-American) ..... W. A. Young, Exeter	S	99.60	S	90
8481	Vetch, Winter (3094) ..... Chase Grain Mill, Plymouth	S	99	S	90
8557	Vetch, Hairy (09953) ..... G. B. Currier Co., Colebrook	S	99.51	S	82
8286	Vetch, Winter ..... J. J. Moreau & Son, Manchester	S	99.53	S	90
8265	Vetch, Hairy (99125) ..... John B. Varick Co., Manchester	S	99.90	61.5	90
8538	White Clover (Fancy) ..... W. A. Bryer, Peterboro	S	95	S	74
8472	White Clover ..... Gammons Company, Plymouth	S	98.53	S	96
8523	White Clover (Pine Tree, 26824) .... E. C. & W. L. Hopkins, Inc., Greenfield	S	97.15	S	81
8272	White Clover (Fancy, 2181) ..... J. J. Moreau & Son, Manchester	S	98.30	S	76
8466	White Clover (Choice, 2159) ..... Muzzey & Hopkins, Lakeport	S	97.33	S	79
8339	White Clover (26910) ..... J. H. Seavey, Dover	S	95.70	S	74
8261	White Clover (26844) ..... John B. Varick Co., Manchester	S	98.55	S	71

A—Above S—Satisfactory

SUMMARY TABLE

Showing General Results of Seed Inspection Work for the year ending June 30, 1932

Kind of Seed	Number of Samples	Purity Compared to Guarantee			Germination Compared to Guarantee			No guarantee
		Above	Satisfactory	Below	Above	Satisfactory	Below	
Alfalfa	9	1	8	0	1	8	0	0
Alsike	37	0	36	1	5	31	1	0
Barley	10	0	10	0	0	10	0	0
Bluegrass, Kentucky	2	0	2	0	0	0	2	0
Buckwheat	2	0	2	0	0	2	0	0
Canada Field Peas	4	0	4	0	0	4	0	0
Lawn Grass	1	0	1	0	0	1	0	0
Millet, Hungarian	33	2	30	1	0	27	6	0
Millet, Japanese	39	4	26	9	0	31	8	0
Mixture, Grass	1	0	1	0	0	1	0	0
Mixture, Hayland	1	0	1	0	0	1	0	0
Oats	16	0	16	0	0	15	1	0
Orchard Grass	1	0	1	0	0	1	0	0
Red Clover	45	1	41	3	4	38	3	0
Red Top	55	2	46	7	0	37	18	0
Rye	4	0	4	0	0	3	1	0
Rye Grass	1	0	0	1	0	1	0	0
Soy Beans	6	0	6	0	0	4	2	0
Sweet Clover	5	0	5	0	0	4	0	1
Timothy	74	1	72	1	0	71	3	0
Vetch	4	0	4	0	0	3	1	0
White Clover	7	0	7	0	0	7	0	0
Total	357	11	323	23	10	300	46	1